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**PT. SINKO PRIMA ALLOY**

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## Chapter 1 Main Technical Specifications of Ultrasonic Nebulizer

TECHNICAL SPECIFICATIONS		
Model	ULTRAMIST	
Voltage	AC220V 50/60Hz	
Power Consumption	±24W	
Class Type	Class II	
Airflow	>2mL/min	
Noise Level	≤ 55dB	
Ultrasonic Frequency	1.7 Mhz	
Medical Cup Volume	50 mL (upper line limit)	
Water Cup Volume	140 mL (bottom line limit)	
Particle Diameter (MMAD)	1-5 $\mu$ m	
Nebulization Timer	0~60 minutes	
Unit Dimension	260x150x240mm	
Weight	1.50 kg	
Operation	Temperature	10 °C ~ 40 °C
	Humidity	15 % ~ 93 % RH
	atmosphere	700 hPa~1060 hPa
Storage	Temperature	-10 °C ~ 55 °C
	Humidity	≤93 % RH
	atmosphere	500 hPa~1060 hPa

## **Chapter 2 Security Warning**

- 2.1. It is recommended for use by adults and children.
- 2.2. Read this manual carefully before operating the unit, and operate the appliance in accordance with the operating regulations.
- 2.3. The unit needs to be cleaned after used with an aerosol treatment.
- 2.4. Cleaning needs to be done once a day.
- 2.5. Do not be used for anesthetic processes and the use of viscous fluids.
- 2.6. Please turn off the unit and unplug the power supply before cleaning and wiping dry.
- 2.7. Do not use while bathing.
- 2.8. Power off the unit first before recharging.
- 2.9. Keep the unit away from fire.

## **Chapter 3 Maintenance Procedure**

- 3.1. Under normal conditions use according to the Instructions for Use of this unit, if this unit has some problems, please contact our customer service. The company maintains sales records and customer records for each unit covered by a two-year service warranty from the original date of purchase depending on condition and time.
- 3.2. Even during the free maintenance period, we charge for repairs for the following reasons:
  - 3.2.1 Error in use caused by operation outside the unit's instructions for use. (damaged due to impact, drop, or other fault; unit does not work due to exposure to water or other faults)

- 3.2.2 Error caused by falling when the user has left the point of purchase.
  - 3.2.3 Mistakes in preparation, reconstruction, decomposition and others outside of our company standards.
  - 3.2.4 Mistakes by natural disasters, for example: fires, floods, earthquakes and others.
  - 3.2.5 Mistakes caused by the rise pressure and fall of the electric voltage drastically or outside the standard voltage provisions of the unit.
- 3.3. In the warranty period, free replacement for spare parts for two-year. Except the power cable, user manual and packing load.
- 3.4. Free maintenance will be canceled if we find the seal is broken.
- 3.5. For maintenance costs outside the warranty period, our company recommends continuing to use "Contact Periodic Maintenance"

#### **Chapter 4 Pay attention before Operation**

- 4.1. Read this user manual carefully before operating to ensure the unit can be used safely and effectively.
- 4.2. Installation and maintenance of the appliance must be carried out following these instructions for use.
- 4.3. This unit must be placed on a flat surface. Place it in a bright place when moving. Avoid excessive vibration and shock.
- 4.4. AC frequency and rated voltage must be in accordance with the needs, and have sufficient current capacity.
- 4.5. Please place this unit in a place that is easy to ground.
- 4.6. Check all equipment, whether it is installed properly and correctly and according to its place.
- 4.7. If the unit is not used for a long time, it is recommended to pre-heat for ±15 minutes before use. The pre-heat process is carried out by adding distilled water to the water container and then

attaching the water barrier and medical cup. Turn on the unit first for ± 15 minutes then put the drug solution in the medical cup and the unit is ready to use.

## **Chapter 5 Earthing and Electrical Connection to Ultrasonic Nebulizer**

### **Earthing:**

- 5.1. Connect ground the unit and a power outlet via the three-wire power cord (three-wire plug). The three-wire plug must be inserted into the three-wire cord socket properly.
- 5.2. If a three-wire receptacle is not available, a qualified electrician must install one unit in accordance with KONSUIL or AKLI regulations in Indonesia.
- 5.3. Under no circumstances should you remove the grounding conductor from the mains plug.
- 5.4. Do not use extension cords or adapters of any kind. The power cord and plug must be intact and undamaged.
- 5.5. Do not use pipelines and others as grounding.
- 5.6. Earthing the right way can guarantee safety and protect against AC power interference and electromagnetic waves.

### **Connecting Electric to Ultrasonic Nebulizer:**

- 5.7. Make sure the AC power supply complies with the specifications.
- 5.8. Connect the power cord / plug from the unit to a socket that has been grounded / earthed properly and correctly.
- 5.9. Make sure the power indicator light on the unit is on.
- 5.10. If the power cord is not properly connected before operating the unit, it is possible that the unit is not working properly due to inefficient power input.

## Chapter 6 Operation of the Ultrasonic Nebulizer

- 6.1 Make sure the Nebulizer Switch is Off
- 6.2 Connect the power cable to the electrical outlet
- 6.3 Turn the steam cover lock on the nebulizer kit
- 6.4 Remove the nebulizer kit
- 6.5 Remove the water barrier skating and medical cup
- 6.6 Add distilled water into the water container until it reaches the water lever mark ( $\pm 140\text{ml}$ ) or above the mark
- 6.7 Install the water barrier skating and medical cup then make sure the position of the water barrier skating is installed correctly
- 6.8 If the unit is not used for a long time, it is recommended to pre-heat as stated in Chapter 4 point 4.7
- 6.9 After pre-heating, add the drug solution into the medical cup
- 6.10 Reinstall the nebulizer kit and turn the steam cover lock
- 6.11 Remove the fog outlet cover from the nebulization hole
- 6.12 Connect accessories as needed to the nebulization hole
- 6.13 Turn the timer dial to the required time (clockwise) or (counterclockwise) for the continuous timer and manual power on/off
- 6.14 Start turning on the switch and use the tool properly.
- 6.15 At the same time, the indicator light is on. Adjust the mist volume by turning the atomizing level knob clockwise
- 6.16 Turn the wind knob to adjust the nebulization rate

## Chapter 7 Troubleshooting on User

No	Problem	Solution
1	Power off	<ul style="list-style-type: none"><li>• Check the electrical connection to the power source</li><li>• Check the connection of the power cable socket with the avometer</li><li>• Check the fuse cable connection with the avometer</li></ul>
2	Not working	<ul style="list-style-type: none"><li>• Check whether the power light indicator is on or off</li><li>• Check the normal electricity voltage or not</li></ul>
3	The Medicine Cup melted or damaged	<ul style="list-style-type: none"><li>• Replace the medicine cup with a new one that available in the unit accessories</li></ul>

## Chapter 8 Care and Maintenance

- 8.1. Buyer is not allowed to open or disassemble the contents inside the unit.
- 8.2. Any maintenance or renewal must be carried out by a trained and authorized professional person from PT. Sinko Prima Alloy.
- 8.3. Maintenance must be done with original components from PT. Sinko Prima Alloy.
- 8.4. Please pull out the power supply plug when the electric power is about to be turned off. If this unit is not used for a long period of time.
- 8.5. Please unplug the power supply from the power source, then place this unit in a shady, cool and dry place.
- 8.6. Units should be regularly maintained and cleaned.

## Chapter 9 How to clean the Elitech Ultrasonic Nebulizer as follows:

- 9.1 First of all, the power cord must be disconnected from the power source.
- 9.2 Prepare a cloth filled with clean water without cleaning agents and then rub it evenly throughout the unit.
- 9.3 Use a dry, clean cloth to dry, until the entire unit is completely dry and clean.

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# ULTRASONIC NEBULIZER ULTRAMIST

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MANUAL BOOK

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